

19990114.ba v02\_n380.bam.990114 v02\_n381.bam.990114

>From ???@??? Fri Jan 15 10:26:26 1999  
Message-Id: <199901140812.CAA27284@sco.theporch.com>  
Date: Thu, 14 Jan 1999 02:11:34 CST  
From: Old Tube Radios <boatanchors@theporch.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: BOATANCHORS digest 2380

BOATANCHORS Digest 2380

Topics covered in this issue include:

- 1) HT-37 Push to Talk Mod  
by "Roecker, Greg" <greg.roecker@lmco.com>
- 2) Re: Drake C Line  
by "Paul Christensen" <paulc@mediaone.net>
- 3) GOOD AM RECEIVER  
by JOHN\_SEHRING.parti@ecunet.org (JOHN SEHRING)
- 4) Good AM Receivers  
by "Wallace Gibbons" <rockwall@tcsourseone.com>
- 5) Re: Good AM Receivers  
by Ralph Parker <rparker@istar.ca>
- 6) Johnson T-R /TVI results  
by dbrady@us.ibm.com
- 7) Re: Good AM Receivers  
by Richard Post <post@ouvaxa.cats.ohiou.edu>
- 8) FT-980/SB-200 INTERFACE  
by JOHN\_SEHRING.parti@ecunet.org (JOHN SEHRING)
- 9) BA Misc FS  
by don merz <71333.144@compuserve.com>
- 10) HRO-60 MOIFICATIONS  
by Jim Roik <jnroik@escape.ca>
- 11) How many Watts is my Dentron Tuner?  
by "Eugene Rippen" <soundval@foothill.net>
- 12) AM rcvr summary  
by zeitler@ibm.net
- 13) berkeley  
by luc dugas <collins2@globetrotter.net>
- 14) Need a KAAR for your car?  
by "D. Reaves" <dr@cei.net>
- 15) SX-71 dial questions  
by hikrbikr@erols.com
- 16) Open frame rack shipping  
by "D. Reaves" <dr@cei.net>
- 17) Re: Good AM Receiver  
by Brian Bjerkelund <brianbj@compuserve.com>
- 18) Re: Good AM rcvr wanted

- by Henry van Cleef <vancleef@netcom.com>  
19) Rack shipping  
by Scott Robinson <spr@earthlink.net>  
20) About Berkeley  
by Scott Robinson <spr@earthlink.net>  
21) Re: AM rcvr summary  
by Ralph Parker <rparker@istar.ca>  
22) Re: SX-71 dial questions  
by Ralph Parker <rparker@istar.ca>  
23) Re: SX-71 dial questions  
by Sandy W5TVW <ebjr@worldnet.att.net>

-----  
Content-return: allowed  
Date: Wed, 13 Jan 1999 10:56:50 -0500  
From: "Roecker, Greg" <greg.roecker@lmco.com>  
Subject: HT-37 Push to Talk Mod  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-id: <716897408033D111BA8C0000F805CC8402172870@emss04m07.ems.lmco.com>  
MIME-version: 1.0  
Content-type: text/plain; charset="iso-8859-1"

Does anyone have a copy of the PTT mod for the HT-37???? I will gladly reimburse for copies and postage. Please reply via email to:

greg.roecker@lmco.com

73,

Greg Roecker / N40SJ  
Roswell, Georgia

> -----  
> Greg Roecker  
> Lockheed Martin - Integrated Business Solutions  
greg.roecker@lmco.com  
> Voice: 770.698.5226  
>  
>

-----  
Message-ID: <00b901be3f11\$73cc10e0\$26a898a9@mediaone.com>  
From: "Paul Christensen" <paulc@mediaone.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Drake C Line  
Date: Wed, 13 Jan 1999 11:26:16 -0500  
MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Thanks to all who responded with their comments and suggestions!

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MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit  
Date: Wed, 13 Jan 1999 13:47:16 -0500 (EST)  
Subject: GOOD AM RECEIVER  
To: Old Tube Radios <boatanchors@theporch.com>  
From: JOHN\_SEHRING.parti@ecunet.org (JOHN SEHRING)  
Message-ID: <9901131347.aa27519@pcusa01.ecunet.org>

To: boatanchors@theporch.com

You don't want a Halli SX-100 (or SX-96 or S-76 for that matter) to do hi fi monitoring of AM stations.

These were Halli's first sets with the famous 50 kHz 2nd IF system. It's about as selective as you can get with just a few LC cans.

But it's too selective for hi fi AM use. The widest selectivity is 5 kHz & that gives only room for plus/minus 2.5 kHz worth of two sidebands. That's just too narrow for hi fi use.

Actually, these rx's are designed to put the carrier at one edge of the saddle-shaped bandpass and \*one\* sideband extends to the other giving single sideband full carrier AM reception. It's excellent for comm use but you do get some distortion that way. SSB-AM will give some spurious phase modulation at the detector, a no-no for hi fi!

The S-99 was single conversion rx but just a single AF final stage & small output xfmr, I wouldn't call it hi fi. I think an SP-600 or NC-183 might be a better choice, they p-p audio output & selectivity more suited to AM, although the -183 is still quite narrow.

-John Sehring (12:07 pm Tue, Jan 12, 1999 @ Custer SD USA) UCC WB2EQG  
"Live long and prosper" --John 10:10b

-----  
Message-ID: <369CF505.DB982AA3@tcsourseone.com>  
Date: Wed, 13 Jan 1999 12:33:26 -0700  
From: "Wallace Gibbons" <rockwall@tcsourseone.com>  
MIME-Version: 1.0

To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Good AM Receivers  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Well, I just have to comment.

My favorite am receiver is a JW Miller hifi xtal set. No vacuum tubes in it

(sorry Jack) but I do run the output through a Heathkit A-7 tube amplifier to an old

Dynaco speaker. Use a 150 foot long wire and the sound is beautiful!!!

Local

station plays the oldies, mills brothers, perry como, etc. Very good sounding.

For FM it's an old Eico HFT-90.

Thanks for listening...

Wally Gibbons

-----  
Message-Id: <3.0.5.32.19990113130000.007a2920@istar.ca>  
Date: Wed, 13 Jan 1999 13:00:00 -0800  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Ralph Parker <rparker@istar.ca>  
Subject: Re: Good AM Receivers  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I have an old Meissner AM tuner (chassis # 10-1119) that would probably sound good,

but I don't have a schematic so I can get it going.

Any suggestions as to where I might find one?

Ralph, VE7XF

-----  
From: dbrady@us.ibm.com  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <872566F8.0075D95D.00@d53mta04h.boulder.ibm.com>  
Date: Wed, 13 Jan 1999 14:26:47 -0700  
Subject: Johnson T-R /TVI results  
Mime-Version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-Disposition: inline

My thanks to all those who offered their assistance with this problem !

The fix seems to be better grounding and shorter feed line to antenna.

I moved the entire station from my Summer shack quarters in the garage to my Winter shack in the house. The grounding cables in the garage are about 20 ft. long, and the feed line is about 80 ft. of ladder line.

(ground is a single 8 ft rod) In my Winter quarters, the path to ground ( 8 ft rod and counterpoise wires) is 5 ft and the feed line is 33 ft of ladderline.

The rigs, cables, low-pass filters (on both IN and OUT of T-R switch), etc. are identical between the Summer and Winter locations. I'm suspecting difference in the distance to ground and antenna of the two locations.

Ran tests on all TV channels with 40M and 80M rigs putting out about 150W and the XYL ( who was supervising the testing) approved the results, so I've got my QSK working again.

73 de W5FRS  
Dennis

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Message-Id: <v03007805b2c2c022b833@[132.235.46.169]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Date: Wed, 13 Jan 1999 17:01:20 -0500  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Richard Post <post@ouvaxa.cats.ohiou.edu>  
Subject: Re: Good AM Receivers

>I have an old Meissner AM tuner (chassis # 10-1119) that would probably  
>sound good,  
>but I don't have a schematic so I can get it going.  
>Any suggestions as to where I might find one?  
>Ralph, VE7XF

I have the Meissner 5 metal-octal tube TRF AM radio. It's picture is the chapter marker (but never identified) in Romney's "Fixing Up Nice Old Radios". It's prewar but also sold during WWII for training purposes. Very nice AM sound although my preference for AM sound is a Halli SX-28 with the right speaker.

I have the schematic for my Meissner and probably your tuner as well in a

Meissner schematics book. I'll check on it tonight.

73 de Rich

=====  
Boatanchor Pix website - KB8TAD  
<http://ouvaxa.cats.ohiou.edu/~post/PIX/BA.html>

visit the Museum of Radio and Technology website  
<http://oak.cats.ohiou.edu/~post/MRT/>

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MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit  
Date: Wed, 13 Jan 1999 17:17:25 -0500 (EST)  
Subject: FT-980/SB-200 INTERFACE  
To: Old Tube Radios <boatanchors@theporch.com>  
From: JOHN\_SEHRING.parti@ecunet.org (JOHN SEHRING)  
Message-ID: <9901131717.aa07752@pcusa01.ecunet.org>

To: boatanchors@theporch.com

What better way than ALC are you referring to, Lon?

-John Sehring (11:56 am Wed, Jan 13, 1999 @ Custer SD USA) UCC WB2EQG  
"Live long and prosper" --John 10:10b

-----  
Date: Wed, 13 Jan 1999 17:17:58 -0500  
From: don merz <71333.144@compuserve.com>  
Subject: BA Misc FS  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <199901131720\_MC2-668C-3552@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain; charset=us-ascii  
Content-Disposition: inline

BA Literature And Miscellany For Sale

CONTACT: Don Merz, N3RHT: 47 Hazel Drive, Pittsburgh, PA 15228.  
71333.144@compuserve.com

LITERATURE FOR SALE

Mye Technical Manual, 3rd printing, 1942, published by P.R. Mallory and Co.,

1942. 400+ pages of technical reference and troubleshooting material. Mostly geared to AM BCB radio. Great section on capacitors. Large format hard-back in excellent shape. \$22 PPD

Radio Handbook, 7th edition, 1940. One of the famous handbooks by the editors of RADIO magazine. Some wear on cover and spine edges. Very good. \$23 PPD

Communication Antenna Systems 1967 Catalog with cardboard slide rule antenna selector calculator. Excellent. \$5 PPD

G.E. Ham News: 75 cents each but prefer to trade for issues I am missing.

1950: 11/12(#6)

1952: 9/10(#5)

1953: 5/6(#3), 9/10(#5)

1957: 3/4(#2)

1958: 9/10(#5)

1960: 3/4(#2)

RCA Ham Tips: 75 cents each but prefer to trade for issues I am missing.

1951: Spring (V11#1)

1952: V12#1(1-2/52), V12#2(7/52)(2x)

1953: V13#3(8-9/53)

1955: V15#1(5/55), V15#2(8/55)(2x)

1959: V19#2(6/59)(2x)

1960: V20#2(5/60), V20#3(9/60)

1961: V21#3(9/61)

1962: Spring (V22#1)(2x), Fall (V22#3)

#### BA MISCELLANY

Vector Octal Test Socket Adapter. Plugs in between tube and socket and brings out test points at each pin. Allows testing from above chassis. \$9 PPD

Vector 12 Pin Compactron Test Socket Adapter. Plugs in between tube and socket and brings out test points at each pin. Allows testing from above chassis. \$9 PPD

Modern Vibroplex Paddle. Triangular with wooden base. Appears to be brass plated steel. s/n 04399. Lots of problems: Brass plate flaking and worn in spots, finger pieces have had bottom edges cut off. Metal arms holding finger pieces have been bent. \$20 as-is.

#### TRADE ITEMS (not for sale)

RCA Ham Tips: October, 1939 and June/July 1941. Trade for pre-war ham tips that I do not have.

CONTACT: Don Merz, 47 Hazel Drive, Pittsburgh, PA 15228  
71333.144@compuserve.com

-----  
Message-Id: <3.0.1.32.19990113215847.00723090@mail.escape.ca>

Date: Wed, 13 Jan 1999 21:58:47 -0600

To: Old Tube Radios <boatanchors@theporch.com>  
From: Jim Roik <jnroik@escape.ca>  
Subject: HRO-60 MODIFICATIONS  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I am working on getting an HRO-60 back into shape and have come across a couple of modifications in it which, before I reverse, I'm wondering if they were common and/or desirable.

1. The AVC has been removed from V7, 2nd IF amp and from V6, 1st IF amp, by removing the connection to the AVC switch. The AVC has been left on the 3rd IF amp.

2. The ground has been lifted on one contact on S-7, control switch. This ground was intended to disable the AVC in the CW position.

It appears that these two modifications are related. I'm guessing that someone wanted the S-meter to work in the cw position and removed the AVC from the first two IF amps so that it wouldn't pump on cw.

Any comments would be appreciated. Makes me wonder what else I will find and should look out for.

Jim VE4AQ

-----  
Message-ID: <000101be3f72\$ad336200\$130c83cc@soundval.foothill.net>  
From: "Eugene Rippen" <soundval@foothill.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: How many Watts is my Dentron Tuner?  
Date: Wed, 13 Jan 1999 20:02:16 -0800  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I have a Dentron  
    "160-10 AT TRANSMATCH"  
    No other ID.  
    3 Knobs across front.  
    Center knob is inductance Switch control.  
        (Not variable inductance)  
    Black case is 10" Wide, 5" High, 10" Deep.

How much power is it designed to handle?  
How about 160M ?



Gene

-----  
From: zeitler@ibm.net  
Message-ID: <004201be3f74\$4cb77400\$3d292581@km3g>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: AM rcvr summary  
Date: Wed, 13 Jan 1999 20:13:48 -0800  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I will summarize the responses over the next day or so. majority slant so far is the NC-183, SP-600, R-390(A).

More to follow with details.

Thanks for all the great advice. Now I have to narrow the field!!

Listening to Perry Como on the wireless as I write this. KPOP AM 1360 San Diego.

73s

Lane  
KU7I

-----  
Message-ID: <369D5B46.E075FBF4@globetrotter.net>  
Date: Wed, 13 Jan 1999 22:49:43 -0400  
From: luc dugas <collins2@globetrotter.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: berkeley  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

lately i founf strange ba's. it is a heavy power supply 19" rack with a power control unit 1099 consisting of 2 sola transformer of 60 va each

also in a 19" rack a third unit is an operational amplifier with 20 0A3 10 6sj7 and 10 12AU7. model no is 1040. i have another unit i didn't look at yet. of course everything wears the name berkeley. anybody has an idea what it is? luc ve2lgj 73s

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Message-ID: <017b01be3f7a\$418137a0\$cccb166a6@default>  
From: "D. Reaves" <dr@cei.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Need a KAAR for your car?  
Date: Wed, 13 Jan 1999 22:56:31 -0600  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

This receiver has kicked around too long in my garage. It is a KAAR Series 25E, serial 985 which has two variable bands, BC, and M (marine?), covering 500 to 5500 KC, plus 6 fixed crystal positions. 6 octal tubes plus one more in the included internal 6V vibrator supply. Just full of nice dirt dauber nests, offering an environmentally friendly chassis protection coating. Also full of black beauty caps, leaky electrolytics, and out of spec carbon resistors. Complete with knobs and cabinet. Packed up its about 30 pounds. Free to any BA listmember needing a winter project. I hate to see it wasting away. UPS costs might apply if you are far away! Sorry, no manual here, but you really don't need one if you can dope out the conversion scheme.

Don Reaves   djr1@alltel.net  
WA5BBS       dr@cei.net  
Roland AR     R-390 list manager  
72211

-----  
From: hikrbikr@erols.com  
Message-ID: <369D32A6.4657@erols.com>  
Date: Wed, 13 Jan 1999 23:56:22 +0000  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: SX-71 dial questions  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Ahoy! I'm working on a Hallicrafters SX-71, a 13 tube, double-conversion, general coverage receiver, circa 1950-55 (Dachis) 1949-54 (Osterman). Mine has black dials that don't have the 15 meter band shown on either dial. Is it true that later models of this receiver had the 15 meter band marked on the main tuning dial and have an additional scale on the bandspread dial? Dachis' book shows an SX-71 just like mine, but says that some SX-71s had white dials with black scales and lettering. Osterman's book (second ed., anyway) shows one with white dials but I can't make out whether it has a 15 meter bandspread scale.

If the 15m hunch is true, I'd like to know first where (what frequency) the 15 meter band is marked on the main tuning dial and how the 100 kc points of the 15m bandspread scale line up to the logging scale. (I plan to plot it with a calibrator, but would like to know how Halli did it.)

Second, I'm curious about when Hallicrafters started selling these receivers with dials covering 15 meters and when SX-71s with white dials were sold. Does anybody know if there are any differences between the white and black dials or why Halli changed?

Third, are there any mods that members have made or know about that might be worth considering as I try to bring this baby back from the partly cannibalized dead? (My radio's serial number is 47570.)

Thanks and 73,  
Mike Steussy AE4R  
Vienna VA

PS... I plan to be at the Richmond Frostfest this Sunday. Will look for the BA gang around 11 AM in the far right corner of the building, or when/wherever a more organized meeting requires.

PPS... Please also keep in mind the annual Vienna Winterfest on 28 February. This year it'll be at the campus of the Northern Virginia Community College in Annandale VA, just west of the Capitol Beltway at Route 234 toward Fairfax. It was great for BAs last year and there should be a lot more room, both inside and the outside tailgate area.

-----  
Message-ID: <01b101be3f7b\$5cd2d1c0\$cccb166a6@default>  
From: "D. Reaves" <dr@cei.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Open frame rack shipping  
Date: Wed, 13 Jan 1999 23:04:26 -0600  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I need to devise a way to ship a rack (open vertical frame, 5 feet tall, 50 pounds) from sunny CA to Arkansas. No electronics, just a big chunk of aluminum. I'm thinking I can have UPS ship the thing as is, no container, just a label. Anyone done that and had it live?

Don Reaves djr1@alltel.net  
WA5BBS dr@cei.net  
Roland AR R-390 list manager

-----  
Date: Thu, 14 Jan 1999 00:01:48 -0500  
From: Brian Bjerkelund <brianbj@compuserve.com>  
Subject: Re: Good AM Receiver  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <199901140002\_MC2-6691-44C@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Disposition: inline

Howdy Gang:

Just gotta chime in here....my NC 183(nonD) sounds wonderous fine with the  
original large National speaker, at least to my tin ears. Too many years=  
of B-52 engines, motorcycles and gunfire.....

"Ear muffs? I don' need no steenkin' ear muffs...."

Brian, K7AIS

-----  
From: Henry van Cleef <vancleef@netcom.com>  
Message-Id: <199901140507.VAA29563@netcom8.netcom.com>  
Subject: Re: Good AM rcvr wanted  
To: Old Tube Radios <boatanchors@theporch.com>  
Date: Wed, 13 Jan 1999 22:07:30 -0700 (MST)  
Cc: boatanchors@theporch.com  
MIME-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit

As zeitler@ibm.net discourses

>

> Hi Gents,

> I am in need of a good rather high fidelity AM receiver for the  
> garage/office.

(snip snip)

> Since I listen to several AM shortwave stations and two local AM bdcst band  
> stations (I am a big Sinatra fan) I would love to get my hands on a rather  
> high fidelity AM rcvr. Was thinking of the SX-99 or SX-100 in case I get the

> urge to copy some CW or SSB. I have a full shack, yes, but I would love to  
> have a nice, beautiful, glow in the dark set booming in the background.  
>

There are two or three things that produce AM bandwidth performance in receivers, all of which are defined as "tuned circuit bandwidth." TRF designs have been popular for this purpose, but they suffer from broadening of bandwidth at higher frequencies and lack of selectivity when it is wanted/needed. The alternative is a superheterodyne with broadband IF's, and I think the very best is a set that has settable IF bandwidth and a 10Kc whistle filter. "Single signal" communications sets (with or without crystal filter, Q-multiplier, second conversion to a low frequency IF, etc.) are pretty much the antithesis of "high fidelity." My recollection is that the Hallicrafters SX-28 (and perhaps S-42 and 43) did have IF's settable to broadband response, and that the National NC-200 and 2-40 differed from the 100 family in being meant for high audio quality capability, including a wideband audio amp. Also the Hammarlund SP-200 family in particular.

The home entertainment world had some real gems in this department. The Farnsworth "Capehart" series, and Magnavox consoles of the forties had selectable bandwidth IF's and good audio sections.

What made the IF bandwidth selectable was inclusion of three coils in the IF transformers, with switch selection between critically-coupled and over-coupled. This was the method used in the Magnavox and Capehart sets. The Magnavox method puts the bandwidth switching into the "treble" control, so there is no panel control that is obviously a bandwidth selector. I have one of the big 2-chassis AM-FM-SW Magnavoxes, which replaced the earlier 3-chassis (one an FM tuner, the second an AM-SW tuner, and the final one a power supply and audio power amplifier) designs, which I rebuilt (new caps and resistors) and it is an astoundingly good performer. Also a 1954 Pilot AM-FM receiver and preamp (early commercial "hi fi") with AM broad and AM sharp positions (a sure sign of 3-coil IF's) on the bandswitch. There were several older (late thirties and later) short-run designs made and sold in the New York City area for the WQXR market. Some of these are AC-DC to operate on Manhattan DC power, and they still show up in flea markets etc. in the NYC area. The early Hammarlund SP's had mechanical linkages to change IF coil spacing, which changed the coupling coefficient when operated.

I would suggest looking for a purpose-built high end home entertainment set such as the Farnsworth Capehart or Magnavox. However, you have to remember that these radios are 50-60 years old. My Magnavox was given to me by the original owner in 1983, and it was pretty much plug-n-play (needed a new rectifier tube) for about ten years, when it finally quit working. I turned it over to "find the

bad cap," which I found in short order (RF preamp screen bypass). But in doing a little checking, I found most of the resistors had gone way out of spec, and that about half of the wax paper condensers were leaky. I thought that the radio played quite well, but after doing a 100% re-resistor and re-cap, the performance difference was astounding. I also found a solder joint that hadn't been soldered at the factory and a parasitic oscillation on the SW band that turned out to be a bad postage stamp cap in a parasitic suppressor circuit in the front end (took days to find it). Also, the 6SQ7 diode used as an AM detector (one of the two; the other is used for a separate AVC detector) would quit conducting after a few minutes. Fixed with a 1N34 (the tube is an original Magnavox script tube).

A few nice things about the 40's high end home entertainment consoles:

1. They are genuine "boatanchors" (my Magnavox weighs about 200 lbs) with large chassis, which means plenty of room underneath and plenty of space to distribute the heat over.
2. The power supplies are serious affairs with plenty of filtering. However, if you have to replace a field coil speaker with a PM type, replace the field coil with a suitable choke (10 Hy will do). These are available from Hammond. Don't substitute with a resistor---the design counts on having \*real\* inductance in the circuit.
3. The audio capabilities are generally quite respectable----multiple voltage amps, filter networks to tailor the response to fit the speakers and cabinet (you can tweak them if you want), and good phase splitting and power amplification.
4. They are quality construction, both electrical and mechanical, on top of being very sound and conservative electrical and mechanical designs. I am highly opinionated, but I never thought that Hallicrafters' efforts in home entertainment was ever any more than "wannabe," and that RCA's best consoles, while good design, were always a definite cut below Magnavox in execution. The later Philcos were just plain "dollar design" for maximum profit.

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=====  
Hank van Cleef  
=====

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Message-Id: <v03007802b2c33626da32@[208.251.191.141]>  
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"  
Date: Wed, 13 Jan 1999 21:51:19 -0800  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Scott Robinson <spr@earthlink.net>  
Subject: Rack shipping

It sounds as if you should go haunt your local appliance stor and score a  
refirgerator shipping carton. It'll probalby be free...

Regards,

Scott Robinson  
spr@earthlink.net

Junque is GOOD for you!

-----  
Message-Id: <v03007801b2c3350796db@[208.251.191.141]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Date: Wed, 13 Jan 1999 21:48:58 -0800  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Scott Robinson <spr@earthlink.net>  
Subject: About Berkeley

...well, no, I don't mean the Athens of the west, also known as the Free  
State of Berkeley, California.

But there was electronic instrumentation (BA counters and so forth) built  
under the name of Beckman-Berkeley, which lead me to believe that Beckman  
Instruments might have acquired the Berkeley company at some point, or a  
copmp[any based in Berkeley.

Regards,

Scott Robinson  
spr@earthlink.net

Junque is GOOD for you!

-----

Message-Id: <3.0.5.32.19990113221046.007ac890@istar.ca>  
Date: Wed, 13 Jan 1999 22:10:46 -0800  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Ralph Parker <rparker@istar.ca>  
Subject: Re: AM rcvr summary  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>I will summarize the responses over the next day or so. majority slant so  
>far is the NC-183, SP-600, R-390(A).

I'm surprised that no-one mentioned the SX-62.  
VE7XF

-----  
Message-Id: <3.0.5.32.19990113224751.007b7590@istar.ca>  
Date: Wed, 13 Jan 1999 22:47:51 -0800  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Ralph Parker <rparker@istar.ca>  
Subject: Re: SX-71 dial questions  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Mike, AE4R asks:

>I'm working on a Hallicrafters SX-71...  
>Mine has black dials that don't have the 15 meter band shown on either dial.  
>Is it true that later models of this receiver had the 15 meter band marked  
on the main >tuning dial and have an additional scale on the bandspread dial?  
Mine has black faces with white numbers. It has 15 meter bandspread.  
Can't see a serial number.

>I'd like to know first where (what frequency)  
>the 15 meter band is marked on the main tuning dial and how the 100 kc  
>points of the 15m bandspread scale line up to the logging scale.  
Main dial: The 15 meter dot is just left of the 22 mc. line (logging scale  
# 57).  
Bandspread scale:   21.0   .   21.1   .   21.2   .   21.3   .   21.4   .   21.5  
" logging scale:     47   49   51   54   56   59   62   65   68   71   74

Mine doesn't work (yet - too many projects)  
BTW, what are the proper tuning knobs - silver inserts or not?

Ralph, VE7XF

-----  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"



To: Old Tube Radios <boatanchors@theporch.com>  
From: Sandy W5TVW <ebjr@worldnet.att.net>  
Subject: Re: SX-71 dial questions  
Message-Id: <19990114070518.LERP8726@LOCALNAME>  
Date: Thu, 14 Jan 1999 07:05:18 +0000

At 11:56 PM 1/13/99 +0000, you wrote:

>Ahoy! I'm working on a Hallicrafters SX-71, a 13 tube,  
>double-conversion, general coverage receiver, circa 1950-55 (Dachis)  
>1949-54 (Osterman). Mine has black dials that don't have the 15 meter  
>band shown on either dial. Is it true that later models of this  
>receiver had the 15 meter band marked on the main tuning dial and have  
>an additional scale on the bandspread dial? Dachis' book shows an SX-71  
>just like mine, but says that some SX-71s had white dials with black  
>scales and lettering. Osterman's book (second ed., anyway) shows one  
>with white dials but I can't make out whether it has a 15 meter  
>bandspread scale.

I have worked on a few of these and owned one for a while. I have never seen one with a 15 meter band! Such a band would be highly impractical in view of the way the top band is laid out. I have doped out calibration curves for the logging scale using a crystal calibrator on the one I once had. It covered around 20-23 Mhz or so on the bandspread scale! (Not much bandspread here!)

Hope this helps. The only "white faced" dial I saw covered exactly the same bands as the black faced one. The SX-71 was a fairly decent receiver but a bit touchy on 20 and 10 meters. For a dial cord drive, it tuned very smoothly, albeit a bit fast on the top band!

73,

Sandy W5TVW

-----  
End of BOATANCHORS Digest 2380  
\*\*\*\*\*

>From ???@??? Fri Jan 15 10:28:33 1999  
Message-Id: <199901150447.WAA05255@sco.theporch.com>  
Date: Thu, 14 Jan 1999 22:46:31 CST  
From: Old Tube Radios <boatanchors@theporch.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: BOATANCHORS digest 2381

BOATANCHORS Digest 2381

Topics covered in this issue include:

- 1) Re: AM rcvr summary  
by Sandy W5TVW <ebjr@worldnet.att.net>
- 2) Re: SX-71 dial questions  
by thompson@mindspring.com
- 3) Re: About Berkeley  
by "Barry L. Ornitz" <ornitz@tricon.net>
- 4) berkeley  
by luc dugas <collins2@globetrotter.net>
- 5) Re: Open frame rack shipping  
by "Roberta J. Barmore" <rbarmore@indy.net>
- 6) "Kurier" (burst transmission)  
by "Richard" <rbrunner@gis.net>
- 7) ADMINISTRIVIA: Fancy HTML in Posts  
by listown@jackatak.theporch.com (Mail List Owner)
- 8) Testing Big Tubes  
by dbrady@us.ibm.com
- 9) Re: Good AM rcvr wanted  
by Richard Loken <richardlo@devax.admin.athabascau.ca>
- 10) Crystal holders  
by "Rhett T. George" <rtg@ee.duke.edu>
- 11) 4-65A date ?  
by Pete McCollum 14-Jan-1999 1125 -0600 <mccollum@ssdevo.UNET.dec.com>
- 12) Re: Good AM rcvr wanted  
by "John K9UWA" <k9uwa@cris.com>
- 13) FS: TUBES  
by David Stinson <arc5@ix.netcom.com>
- 14) WTB: Collins F455FA-08 800 hz filter  
by "Freeberg, Scott (STP)" <scott.freeberg@guidant.com>
- 15) Re: "Kurier" (burst transmission)  
by Jerry Proc <jproc@idirect.com>
- 16) Fw: PRC-25  
by "Steve Hill" <SHILL@onaustralia.com.au>
- 17) Re: Open frame rack shipping, breaking ball bearings with  
feather dusters....  
by Tom Norris <badger@telalink.net>
- 18) ANOTHER BA BOOK FOR MATH-HEADS  
by David Stinson <arc5@ix.netcom.com>
- 19) Re: Testing Big Tubes  
by "george" <silvasy@silcom.com>
- 20) Manual for Telefunken E127 KW/4 receiver needed  
by Walt Novinger <wnovinger@home.com>
- 21) Re: Testing Big Tubes  
by "Mike B. Feher" <n4fs@monmouth.com>

---

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Sandy W5TVW <ebjr@worldnet.att.net>  
Subject: Re: AM rcvr summary  
Message-Id: <19990114081548.LRFQ6556@LOCALNAME>  
Date: Thu, 14 Jan 1999 08:15:48 +0000

At 10:10 PM 1/13/99 -0800, you wrote:

>>I will summarize the responses over the next day or so. majority slant so  
>>far is the NC-183, SP-600, R-390(A).

>

>I'm surprised that no-one mentioned the SX-62.

>VE7XF

>

>

That's funny, I was thinking the same thing, but kept quiet about it!  
The SX-62 has very excellent audio and works wonderfully on FM too!  
It's not much of a ham band set though. It will do in a pinch if nothing  
else is available! I would rate it as a nr. 1 SWL/casual listener's boat  
anchor radio! You can consider it a first cousin of the SX-42, which is  
almost identical-circuit wise.

73,  
Sandy W5TVW

-----  
From: thompson@mindspring.com  
Message-ID: <005f01be3f9b\$adb5b4c0\$0e2156d1@default>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: SX-71 dial questions  
Date: Thu, 14 Jan 1999 03:55:46 -0500

When I was first licensed one of my my elmers had the SX-71 and his model  
did not have 15 meter maked. Only the last production models had 15  
bandspread according to Trav K9EBE who worked for Hallicrafters at the time.

Dave K4JRB

>At 11:56 PM 1/13/99 +0000, you wrote:

>>Ahoy! I'm working on a Hallicrafters SX-71, a 13 tube,  
>>double-conversion, general coverage receiver, circa 1950-55 (Dachis)  
>>1949-54 (Osterman). Mine has black dials that don't have the 15 meter  
>>band shown on either dial. Is it true that later models of this  
>>receiver had the 15 meter band marked on the main tuning dial and have  
>>an additional scale on the bandspread dial? Dachis' book shows an SX-71  
>>just like mine, but says that some SX-71s had white dials with black  
>>scales and lettering. Osterman's book (second ed., anyway) shows one  
>>with white dials but I can't make out whether it has a 15 meter

>>bandspread scale.  
> I have worked on a few of these and owned one for a while. I have  
>never  
>seen one with a 15 meter band! Such a band would be highly impractical in  
>view of the way the top band is laid out. I have doped out calibration  
>curves for  
>the logging scale using a crystal calibrator on the one I once had. It  
>covered  
>around 20-23 Mhz or so on the bandspread scale! (Not much bandspread  
>here!)

> Hope this helps. The only "white faced" dial I saw covered exactly  
>the  
>same bands as the black faced one. The SX-71 was a fairly decent receiver  
>but a bit touchy on 20 and 10 meters. For a dial cord drive, it tuned very  
>smoothly, albeit a bit fast on the top band!

>  
>73,  
>  
>Sandy W5TVW  
>

-----  
From: "Barry L. Ornitz" <ornitz@tricon.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: About Berkeley  
Date: Thu, 14 Jan 1999 04:20:55 -0500  
Message-ID: <01be3f9f\$308009c0\$e34562d8@ornitz.dpnnet.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Scott Robinson wrote:

>But there was electronic instrumentation (BA counters and so forth) built  
>under the name of Beckman-Berkeley, which lead me to believe that Beckman  
>Instruments might have acquired the Berkeley company at some point, or a  
>company based in Berkeley.

I have the carcass of a vacuum tube EPUT (events per unit time, now called  
a frequency counter) that was a Beckman-Berkeley unit. There was also a  
Telonic-Berkeley that made nuclear instrumentation. I think somehow the  
companies are related.

I have a Telonic sweep generator (SPI-64) that is full of compactrons which  
dates it to the mid-1960's that was built in their old location before they  
moved to the land of what Larry Ware calls breakfast cereal (fruit, nuts,  
and flakes). I am not sure of the validity of the story, but I heard that

when Telonic moved, many of their engineers stayed behind and founded companies like Wiltron, Wavetek, and Ailtech - some of the big names in sweepers today.

Most of Beckman was sold to Rosemount (now Fisher-Rosemount and a part of Emerson Electric), but the old Helipot Division and the Beckman Instruments Division remained.

73, Barry WA4VZQ ornitz@tricon.net

-----  
Message-ID: <369DD422.757F0764@globetrotter.net>  
Date: Thu, 14 Jan 1999 07:25:23 -0400  
From: luc dugas <collins2@globetrotter.net>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: berkeley  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

the last and fourth item is a break voltage generator model no 1070. i went outside to see it at minus 39 centigrade this morning bbbrrrrrrrrr. it has 11 6AL5 and 2 0C3 and it has 42 pots adjustable with a flat screwdriver at the front panel. luc ve2lgj 73s

-----  
Date: Thu, 14 Jan 1999 09:01:10 -0500 (EST)  
From: "Roberta J. Barmore" <rbarmore@indy.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Open frame rack shipping  
Message-ID: <Pine.SUN.3.96.990114085036.25846A-1000000@indy2>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi, Don!

Most of the conventional open-frame racks are held together with a few--eight to 16--large fine-thread bolts. It takes about five minutes to take one apart, which results in (usually) five pieces: top, sides (rails), front foot and back foot, plus a bag of bolts. Much easier to box up and ship that way!

I have only seen such racks shipped two ways: knocked down in a box, or filled up with equipment, a few U-shaped extensions slapped on, padded, and crated.

An \*empty\* rack of any sort shipped "loose" can and often does get,

well, racked in shipment: meaning it will not arrive with 90-degree corners! (I spent half a day re-squaring a big, welded-up Stantron cabinet rack not too long ago, and it had even been lagscrewed to a skid for shipment! As an activity, this has little appeal--great effort, small result).

As far as most shippers are concerned, the stuff they haul might as well be rubble. They don't mind a bit if it gets bent, chipped or smashed in transit. Don't give 'em the chance to wreck things! A knocked-down rack survives rough treatment much better.

73,  
--Bobbi

KB9GKX "RJ" rbarmore@indy.net Roberta J. (Bobbi) Barmore  
FISTS #3388 \* G-QRP #10001 \* ARRL \* RSGB \* WIA  
Appreciator Of Vacuum-Tube Ham Gear and Vintage Keys

-----  
Message-Id: <199901141640.LAA06210@home.gis.net>  
From: "Richard" <rbrunner@gis.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: "Kurier" (burst transmission)  
Date: Thu, 14 Jan 1999 11:04:11 -0500  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

(Late again - had computer problems)

The "Kurier" burst transmission system was used by the Kriegsmarine commencing about 1944 to provide some security from direction finding. It is composed of a series of 1 ms pulses. The start signal is a series of 25 pulses, followed by a 20 ms space, and the message follows. The pulses may be read as Morse Code from the pulse spacing. Maximum transmission duration is 454 ms, including the start signal and space.

The signal is generated by a permanent magnet and pickup coil which swings past iron strips (movable) inside a drum at synchronous speed. The signal is amplified and used as grid-block keying in the transmitter. The received signal is fed to an oscilloscope which is projected onto a film-covered drum, which is unlocked by the start signal and driven at synchronous speed. The developed film will show the pulses which may be read as Morse Code.

Reference: "Funkpeilung als alliierte Waffe gegen deutsche U-Boote 1939-1945," Arthur O. Bauer, 1997, Pages 205-225

Richard Brunner, AA1P, rbrunner@gis.net

-----  
Message-Id: <199901141715.LAA13959@jackatak.theporch.com>  
From: listown@jackatak.theporch.com (Mail List Owner)  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: ADMINISTRIVIA: Fancy HTML in Posts  
Date: Thu, 14 Jan 99 11:15:01 CST

Gang-

Please accept this periodic posting as it is intended:  
A suggestion that will help everyone on the list...

Many many of the members of the list read through text-based mailers on systems of other than WIntel origins... this is particularly true for those members who are "off-shore" where the technology is too expensive to justify. Just keep in mind that NOT everyone reads the list postings with the very latest windowed technology.

PLEASE avoid the use of HTML and "quoted printable" in your email. If you don't know what this means, then PLEASE get help and set your mailer up so that you send your posts to the list in "PLAIN TEXT" only, with NO fancy HTML.... generally, avoid fancy fonts and colors, which will force your mailer to use the fancy stuff, and creates the problem.

The problem is that when the fancy stuff is included, those mailers send a plain text version AND a fancy version, and that means TWICE the size for your post (actually, because of how the HTML is encoded, it causes MORE than a doubling of message size. And, for those people who read mail with other than the fancy new readers that can ignore one part and only show the "pretty" version, they have to wade through an ocean of garbage and noise after reading your post... and that is inconsiderate to your fellow BoatAnchors members.

PLEASE use only plain text. Get help with setting your mailer to not send the fancy HTML and quoted printable.

PLEASE be considerate of the list resources and your fellow members.

Thanks for your attention

--

73

Jack, W4KH/Mobile - - - BoatAnchor Mailing List Owner - - -  
listown@jackatak.theporch.com - "Plus ca change, plus c'est la meme chose"  
"Il n'y a que les idiots qui ne changent jamais d'idee"  
Thu Jan 14 11:15:01 CST 1999

-----

From: dbrady@us.ibm.com  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <872566F9.005FA51C.00@d53mta04h.boulder.ibm.com>  
Date: Thu, 14 Jan 1999 10:24:38 -0700  
Subject: Testing Big Tubes  
Mime-Version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-Disposition: inline

In the March 1958 issue of CQ, William (Bill) Orr, W6SAI discusses testing of large transmitting tubes, and there's a couple of circuit diagrams of testing devices. The article is about using a 450TH in a KW amp, "The Big Gun" pg. 52. He had the problem (same problem I have) of getting tubes alleged to be "good", but were really gassy.

His method of testing is similar to what I do, but he's a much more credible source of technical info, so check the article if you're interested.

Dennis  
W5FRS

-----  
Date: Thu, 14 Jan 1999 10:49:58 -0700 (MST)  
From: Richard Loken <richardlo@devax.admin.athabascau.ca>  
Subject: Re: Good AM rcvr wanted  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: Old Tube Radios <boatanchors@theporch.com>  
Message-id:  
<Pine.PMDF.3.95.990114103352.541067359A-1000000@devax.admin.athabascau.ca>  
MIME-version: 1.0  
Content-type: TEXT/PLAIN; charset=US-ASCII

On Wed, 13 Jan 1999, Henry van Cleef wrote:

> As zeitler@ibm.net discourses  
> >  
> > Hi Gents,  
> > I am in need of a good rather high fidelity AM receiver for the  
> > garage/office.

> The home entertainment world had some real gems in this department.  
> The Farnsworth "Capehart" series, and Magnavox consoles of the forties  
> had selectable bandwidth IF's and good audio sections.

The distressing thing about Hank is that, unlike me, he always knows what he



is talking about. I agree heartily, the best HIFI AM comes out of a pre 1950 console radio but some of the European entertainment offerings were good. I have a Telefunken Allegro table top radio circa 1960 that sounds awfully nice when it works - which it doesn't just now.

I was once told by an unreliable source that AM radio sounds like crap as a policy of the radio manufacturing industry. Back in 1979 when I work at CHAB Radio I had a long conversation with Clint Nichols the chief engineer of CHED Radio who was near retirement age at the time and as sharp as old chief engineers get. Clint launched into a tirade about the NAB going to the radio manufacturers association and asking them to make hifi AM radios and being flatly refused. The NAB said something about changing the equalization of the transmitters to compensate for the narrow AM receivers and the reply was that the manufacturers would redesign the receivers to compensate for the compensation. This may not be true but I find it easy to believe.

Your typical AM station sounds awfully darn good but only the owners of Hank's 200lb Magnavoxes know that.

---

Richard Loken VE6BSV, Systems Programmer - VMS  
Athabasca University  
Athabasca, Alberta Canada  
\*\* richardlo@admin.athabascau.ca \*\*

-----  
From: "Rhett T. George" <rtg@ee.duke.edu>  
Date: Thu, 14 Jan 1999 13:05:54 -0500  
Message-Id: <199901141805.NAA21573@champ.ee.duke.edu>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Crystal holders

- Greetings -

If someone of you fine folk will send this unknowing person her/his table of crystal holder id vs height-width-depth and pin length-centerline spacing-diameter, I shall be surely thankful for the effort. Alternatively, If someone will suggest to me the appropriate reference book(s), that will be fine.

Might as well send it to me direct and save bandwidth.

73 and many thanks Rhett - KE4HIH

-----  
Message-Id: <9901141825.AA25673@us3rmc.cxo.dec.com>  
Date: Thu, 14 Jan 99 11:25:41 MST  
From: Pete McCollum 14-Jan-1999 1125 -0600 <mccollum@ssdevo.ENET.dec.com>  
To: Old Tube Radios <boatanchors@theporch.com>

Subject: 4-65A date ?

Anybody know the introduction date for the 4-65A tube ?

"Tube Lore" lists the tube, but doesn't give a date.

Thanks,  
Pete

-----  
Message-Id: <199901141825.NAA22025@cliff.concentric.net>  
From: "John K9UWA" <k9uwa@cris.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Date: Thu, 14 Jan 1999 13:26:45 +0000  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Subject: Re: Good AM rcvr wanted

> Your typical AM station sounds awfully darn good but only the owners  
of Hank's

> 2001b Magnavoxes know that.

> ---

> Richard Loken VE6BSV, Systems Programmer - VMS

Right Richard as one who comes Lives in Ft Wayne, IN  
"The Home" of Philo Farnsworth/Capehart/Farnsworth/Magnavox"

Lots of these old Radios around here!!

de John K9UWA

John Goller, K9UWA & Jean Goller, N9PXF

Antique Radio Restorations

k9uwa@cris.com

k9uwa@concentric.net

<http://www.concentric.com/~k9uwa/>

-----  
Message-ID: <369E3EAB.B5C47362@ix.netcom.com>  
Date: Thu, 14 Jan 1999 12:59:56 -0600  
From: David Stinson <arc5@ix.netcom.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: FS: TUBES  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Tubes For Sale:

About 160 locktal tubes, unboxed.  
Most are pulls. Random sample shows about 70% good.  
Wide variety of types and fil. voltages.  
Nearly all radio types.  
\$20 plus 14 pounds shipping from 78728

Fifty (50) Voltage Regulators.  
Mixed 0A3, 0B2, 0C3, 0D3, 0A2  
and other such useful types.  
Random sample of 8-- all checked good.  
\$15 plus four pounds shipping from 78728

73 DE Dave Stinson AB5S  
arc5@ix.netcom.com

-----  
Message-ID: <21B46CBD022AD1118F0500805F15A068011065A5@STPMSX05.stp.guidant.com>  
From: "Freeberg, Scott (STP)" <scott.freeberg@guidant.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: WTB: Collins F455FA-08 800 hz filter  
Date: Thu, 14 Jan 1999 13:27:55 -0600  
MIME-Version: 1.0  
Content-Type: text/plain

Want to buy Collins F455FA-08 800 hz cw filter for 75S3B. Thanks

73,

Scott WA9WFA in Saint Paul Minn

-----  
Message-ID: <369E4365.F9997ECD@idirect.com>  
Date: Thu, 14 Jan 1999 14:20:05 -0500  
From: Jerry Proc <jproc@idirect.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
CC: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: "Kurier" (burst transmission)  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Richard,

Thanks for the very informative reply. That certainly eliminated the use of a wire recorder as the main component of the system.

\*\*\*\*\*  
Richard wrote:

> The "Kurier" burst transmission system was used by the Kriegsmarine  
> commencing about 1944

-----

Regards,  
Jerry Proc VE3FAB jproc@idirect.com  
Web: www3.sympatico.ca/hrc/haida  
HMCS HAIDA Naval Museum, Toronto Ontario

-----  
Message-ID: <005a01be4003\$24c4a820\$5da7868b@me>  
From: "Steve Hill" <SHILL@onaustralia.com.au>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Fw: PRC-25  
Date: Fri, 15 Jan 1999 07:16:17 +1000  
MIME-Version: 1.0  
Content-Type: multipart/alternative;  
boundary="-----=\_NextPart\_000\_0057\_01BE4056.F1B9BFC0"

This is a multi-part message in MIME format.

-----=\_NextPart\_000\_0057\_01BE4056.F1B9BFC0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Can someone help this guy out.  
Contact him not me.

Cheers

-----  
Steve Hill VK4CZT  
<SHILL@onaustralia.com.au>  
visit my military radio page  
<<http://www.users.bigpond.com/SHILL>>  
39 Banbury St  
Carina. 4152.  
Brisbane. Queensland. Australia.

-----Original Message-----  
From: Trish and Dave <hamstrings@att.net>  
Date: Friday, 15 January 1999 5:05  
Subject: PRC-25



Dave, KL7GRM=20  
located in Henderson, Nevada (re-located from Alaska).&nbsp; My neighbor =  
brought=20  
me a Cincinnati Electronics Corp. military radio, the PRC-25 with =  
handset and=20  
whip antenna.&nbsp;&nbsp;  There is no battery.&nbsp;   </FONT></DIV>  
<DIV><FONT color=3D#000000 face=3D"Arial MT Black"></FONT>&nbsp;  </DIV>  
<DIV><FONT color=3D#000000 face=3D"Arial MT Black">I am beginning a web =  
search to=20  
try to find the pin configuration and operating voltages to get it up =  
and=20  
running.&nbsp;   I need a manual.&nbsp;   Can you spare the time to direct =  
me to the=20  
correct area to find what I need?</FONT></DIV>  
<DIV>&nbsp;  </DIV>  
<DIV><FONT color=3D#000000 face=3D"Arial MT =  
Black">73'</FONT></DIV></BODY></HTML>

-----=\_NextPart\_000\_0057\_01BE4056.F1B9BFC0--

-----  
Message-Id: <3.0.5.32.19990114172639.00b2d170@mail1.telalink.net>  
Date: Thu, 14 Jan 1999 17:26:39 -0600  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Tom Norris <badger@telalink.net>  
Subject: Re: Open frame rack shipping, breaking ball bearings with  
feather dusters....  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Don, I deal with these things on and off at work. Usually they are as  
Bobbi says either full and crated, or empty and knocked down. Most  
are pretty easy to knock down, just unbolt. When I ship, I wrap each  
frame member in heavy corrugated cardboard to keep them from banging  
around as much, strap all together well with either filament tape, or with an  
actual strapping machine, when I can beg one, then put the whole shebang  
in a long ( but lumpy, to allow for the "foot" ) box. I then strap around  
the box.

Haven't lost one yet, as it takes real talent to bend 1/4" steel channel  
without really trying\*. The hardware is put inside the the box and strapped  
to the inside bundle with a about half-roll of filament tape to discourage  
loss even if the shipper tries to do so. :- ) A sketch or photo of the rack  
in its assembled condition is always a help in getting it back together  
properly, although most are pretty straightforward.

Tom

\* thought very possible with ALUMINUM channeling, as I found out when UPS delivered a PP-4763/GRC-106 power supply to me at work. The nice mounting channels on the bottom were curled up under the bottom of the supply!!! 1/4" or so aluminum plate. I had to disassemble the supply and take it to a friendly sheet metal fab down the road and have them rebrake the bottom of the case. Amazing. Thought at over 140 pounds, not hard to do in a very few drops. At least I have not had them break any ball bearings, though that might be a fun contest to see how many large ball bearings you could send back and forth until UPS broke one of them.... heeheehee.

Bobbi Sez:

>Hi, Don!

>

> Most of the conventional open-frame racks are held together with a  
>few--eight to 16--large fine-thread bolts. It takes about five minutes to  
>take one apart, which results in (usually) five pieces: top, sides  
>(rails), front foot and back foot, plus a bag of bolts. Much easier to  
>box up and ship that way!

>

> I have only seen such racks shipped two ways: knocked down in a box,  
>or filled up with equipment, a few U-shaped extensions slapped on, padded,  
>and crated.

-----  
Message-ID: <369EBC72.C088057@ix.netcom.com>  
Date: Thu, 14 Jan 1999 21:56:34 -0600  
From: David Stinson <arc5@ix.netcom.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: ANOTHER BA BOOK FOR MATH-HEADS  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Recently found another book in my library which belongs  
on the shelf of someone far more talented in  
"artes mathematica" than I.

"Network Analysis and Feedback Amplifier Design"  
by Hendrik Bode, Ph.D., pub Nostrand Co., New York,  
tenth printing 1955, 550 pp hardbound in excellent shape.  
For the SERIOUS math-head who wants to study theory behind  
tube amplifiers with feedback. \$5 ships it anywhere in the US.

73 DE Dave Stinson AB5S  
arc5@ix.netcom.com

-----  
Message-ID: <000801be403d\$dfdc6be0\$84d247cf@oemcomputer>  
From: "george" <silvasy@silcom.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Testing Big Tubes  
Date: Thu, 14 Jan 1999 20:16:46 -0800  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

-----Original Message-----  
From: dbrady@us.ibm.com <dbrady@us.ibm.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Date: Thursday, January 14, 1999 9:32 AM  
Subject: Testing Big Tubes

>  
>  
>In the March 1958 issue of CQ, William (Bill) Orr, W6SAI discusses  
>testing of large transmitting tubes, and there's a couple of circuit  
>diagrams of testing devices. The article is about using a 450TH in a  
>KW amp, "The Big Gun" pg. 52. He had the problem (same problem  
> I have) of getting tubes alleged to be "good", but were really gassy.  
>  
>His method of testing is similar to what I do, but he's a much more  
>credible source of technical info, so check the article if you're  
>interested.  
>  
>Dennis  
>W5FRS  
>  
Does anyone have a copy of Bill Orr's article re the above. Sure would come  
in handy.

Thanks  
George wa6hcx

-----  
Date: Thu, 14 Jan 1999 21:38:38 -0700  
From: Walt Novinger <wnovinger@home.com>  
Message-ID: <2901.990114@home.com>



To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Manual for Telefunken E127 KW/4 receiver needed  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Fellow Anchorites:

I have recently acquired the subject receiver and need a manual for it. The receiver is shown on Osterman's 3rd Ed. on page 411. Happy to pay copying/postage costs.

Best regards,  
Walt

=====

Walt Novinger	Real Radios Keep You Warm At Night!
Collector of hollowstate communications receivers and test equipment	
wnovinger@home.com	

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Message-ID: <011801be405b\$fe483820\$881bbfd1@n4fs>  
From: "Mike B. Feher" <n4fs@monmouth.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Testing Big Tubes  
Date: Thu, 14 Jan 1999 23:52:24 -0800  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I will gladly provide a copy of the quoted article for a self addressed stamped envelope. 73 - Mike

Mike B. Feher, N4FS  
89 Arnold Blvd.  
Howell, NJ, 07731  
732-901-9193

-----Original Message-----  
From: george <silvasy@silcom.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Date: Thursday, January 14, 1999 8:19 PM  
Subject: Re: Testing Big Tubes

>

>-----Original Message-----

>From: dbrady@us.ibm.com <dbrady@us.ibm.com>

>To: Old Tube Radios <boatanchors@theporch.com>

>Date: Thursday, January 14, 1999 9:32 AM

>Subject: Testing Big Tubes

>

>

>>

>>

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>>W5FRS

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>in handy.

>

>Thanks

>George wa6hcx

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>

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End of BOATANCHORS Digest 2381

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